



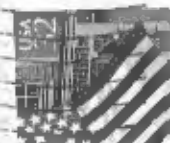
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August 1997



FIRST CLASS MAIL



Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935

1 Renew before 03/31/98
 RONALD DEUTSCH
 NKØP
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 COLO. SPGS., CO 80918



O-Beat



Pikes Peak Radio Amateur Association Officers and Directors

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This Officer/Director is completing the second year of the two-year term to which they were elected.

The O-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: <http://www.qsl.net/ppraa>

Deadline for submission of articles or advertisements is the 20th of each month. Submissions are accepted in any form. Articles should be sent directly to the O-Beat Editor (email to kdøju-1@juno.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College
 225 South Union
 Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.25 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.

3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.

4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

O-Beat Editor	Bill Pierce	KDØJU	550-0406
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Auditing	Any Volunteer's?		
Asset	Mike Stansberry	KØTER	636-1290
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Programs	Aaron Pelouze	KD6FLM	282-9715
Publicity	Aaron Pelouze	KD6FLM	282-9715
Public Service	Mike Stansberry	KØTER	636-1290
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VE Testing	Erik Mugele	KGØXE	596-5345

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Ron Deutsch	NKØP	593-8352
RACES Liaison	Bryan Curl	NØLUF	575-8400

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Mt Calvary Lutheran Church, 1318 N. Circle Drive. The meeting will start at 7 PM.

AUGUST PROGRAM

Marshall Quiat, AGØX, our ARRL Rocky Mountain Division Director and a lawyer in Denver, is going to be attending our August club meeting on August 13 to speak to us about the advantages and dis-advantages of getting the 501c3 tax exempt status.

I urge all of you interested in this topic to attend and see what 501c3 is all about. The information I've provided in the past few months has answered some of the basic questions, but many of the members aren't sure whether or not we should pursue this route. Hopefully, after the August club meeting, we'll know enough to make an informed decision.

In September I'll likely take from the table the issue of whether the club should apply for this exemption and ask for a decision. If it's negative we'll drop it then. If it's positive, that'll give enough time to revise the bylaws and articles to include the 501c3 requirements into those documents before the annual club meeting in October. As you may know, the bylaws must be reviewed annually in October anyway, so it's appropriate to include that into the October agenda.

(I won't be attending the July meeting due to work requirements, nor the July board meeting. If you have any dues to pay, either mail them to the PO box or hang on to them 'til next time.)

Thanks.

Rob/wb7whr
rollerr@usa.net

General Meeting Minutes July 9, 1997

Meeting opened at 705 PM by Aaron KD6FLM, Vice-President by welcoming new members and guests.

No Treasurers report was available at meeting time.

The minutes were amended to show Greg's correct call as WA2OOD. Motion was made and seconded to accept the rest of the minutes as printed in Ø-Beat.

Committee reports: CCARC: no news.

Swapfest: We are waiting for school to start in fall to see if we can get the same location as this year.

Ham classes: 10 people are attending a short class of 5 weeks. Five are children.

Ø-Beat: no news.

Picnic: Club annual picnic will be held on Sunday August 17th at USAF Academy Picnic area #3. Hamburgers and hotdogs provided. Bring dessert, salad or chips. Tailgate Swapfest will be held.

PPRAA Board will meet following picnic. Some conflicts were brought up concerning date but at this time we are unable to change the date at the AFA. Map will be in next Ø-Beat. For more info contact Ron-NKØP (deutschra@aol.com).

Old Business: Club Generator still has not been located.

Rosie mentioned some generators were found by police and we should send a Club officer to check for ours.

New Business: Pete described a new club award program called Club WAS. Starting today bring a QSL card to the meeting for a state you have worked and put it on the board for WAS. When all states have been worked certificates will be given to each ham who contributed to the Club WAS board.

HAMMY was given to John, NØQJS, for his continued support of club activities.

Tesla Symposium this weekend is in need of operators for the Ham station. Rosie has information. Board meeting this month will be at Greg's house. (WA2OOD) After break meeting reconvened will distribution of door prizes.

Program: Greg talked about two old radios he brought with him.

Doug, WBØMHP described a new all band HF mobile antenna made by OutBack and a nice portable stand which together cover most of the bands with 2:1 or less

SWR. Program next month will be 501c-3 by Marshall, AGØX. Meeting adjourned at 8:20 PM

Submitted by Ron, NKØP, Club Secretary

TREASURER'S REPORT:
for period ending 6/30/1997

For the general fund:

Income - Expenses = Net
Income/(Loss)

\$269.00 - \$117.80 = \$151.20

Contact me for a more detailed report.

501(c)(3). I missed the June general meeting due to work, but I haven't heard of any discussion related to the 501(c)3 issues coming out of that meeting. I took an action item in May to try to find someone to talk about 501(c)3 and its advantages and disadvantages. I'm pleased to announce that Marshall Quiat AG0X, our ARRL Rocky Mountain Division Director and a lawyer in Denver, will speak to us on this subject at the August 13 meeting. I urge you to attend this meeting if you're in any way interested in this tax-exempt status.

1998 Raffle: Carlos Caro KB0REI, our swapfest chairman, has elicited some ideas for raffle prizes for the 1998 swapfest. I don't know if he has made a final choice yet. Hopefully we'll get the raffle prizes selected shortly so that by the time we finalize our location in September, we have the prizes selected and I can get the tickets printed up nice and early this year. I'll try to keep everyone informed on the raffle, and Carlos will likely keep everyone informed on the swapfest in general.

Misc: I still have yet to get with one or two of you to refund Field Day costs. Please bring your receipts to the August club meeting, or mail them to me if you won't be there.

-wb7whi

Board Meeting Minutes for July

The July PPRAA board meeting opened at Greg's, WA2OOD, at 7PM on July 14, 1997. The following

members and guest were present: NØJLH, KAØROY, KAØROZ, NKØP, KD6FLM, KDØJU, KCØNC, KBØSXC, WBØRTF, WD4DHR and his XYL.

A motion was made and seconded to pay KBØSXC for gift and engraving for Frank McNally, PPRAA instructor of the year. (aprox \$30)

The PPRAA picnic prize will be a \$50 gift certificate from OEM. All members in attendance will be given one free ticket for the drawing.

Bill said he needs more articles for Ø-Beat.

Pete brought up the low attendance at the last general meeting. He also discussed not having training classes on the same night as the membership meeting. Some ways to make the membership meeting more interesting was discussed. This will be brought up at the next general meeting.

There was a discussion about where the club's old records are stored. Jeff will contact Harvey to see if he has them mixed in with old SST magazines which were given to him at the same time as the club historical information.

Les will print corrections to the club roster in the next Ø-Beat.

Marshall Quiat, AGØX, will be our guest speaker at the August general

meeting. The club annual picnic will be August 17th and proceed be followed by the August board meeting. The meeting was adjourned at 7:40 PM.

Submitted by NKØP, Secretary, PPRAA.

PPRAA Annual Picnic

When: Sunday, August 17th

Where: Air Force Academy Picnic Area #3

Time: 1200 - 1500

Activities:

Hamburgers and hot dogs provided by the PPRAA

Tailgate Swapfest

PPRAA Board Meeting (all are welcome to attend)

Fun and Games

Get an 'eyeball' QSQ on the people you talk to on the air!

Bring your favorite dish or snack food to share. So that we have a variety of foods we ask if your last name begins with: A through M bring salads, chips, beans, veggies, etc. N through Z bring fruit, cookies, cake, pie, etc.

Bring a lawn chair or two if you can. We can always use extra big spoons and kitchen utensils to help dish out the goodies.

We need a few volunteers to help with setup, cooking, and cleanup (You will be rewarded with surplus goodies as the end of the picnic.)

There will be lots of room for games, so bring your favorite: Volleyball, horseshoes, badminton, etc.

See the map near the end for detailed directions to the picnic site.

Talk-in available on 146.52.

Contact Ron, NKØP, for more information or to volunteer to help.

(Sorry this didn't make in the July issue, Erik! Ed.)

From Eric Mugele:
Here are the stats for the most recent VE session held on 14 June.

Candidates: 13

Licenses earned (by class)...

Novices:	0
Techs:	7
Tech/HF:	1
General:	3

73,
Erik



Dits and Bits

For Sale:

- Kenwood TS-830 & MC-50 mike \$500.
 - Ameritron AL-811 Amplifier \$450.
 - MFJ-202B RF Noise Bridge \$35.
 - MFJ-949B Versa Tuner II \$60.
 - Heathkit HD-1410 Electronic Keyer \$15.
 - Digital VT-220 Terminal \$20.
 - Lear Seigler ADM-3A Dumb terminal \$5.
- Contact: E.J. ,KDØNB, at 495-9007.

FOR SALE:

- MFJ HF/VHF SWR Analyzer Model MFJ-249, 1.8 - 170 Mhz Price \$125 obo
 - Bendix King radio, it is a 28 channel VHF Commercial radio with Amateur capability. It comes with the rapid charger and a speaker mike. The asking price is \$325, these radios sell for \$600 new.
- Call Ginger NØUOD 528-8361, or email me at ghipszky@kktv.com.

FOR SALE:

- ICOM IC 471A All mode base station for 430-450 MHZ. \$600.00

- High Quality Tru-Line wattmeter (uses Bird Slugs) \$100.00 (includes one slug)
- KLM 32LBX 432 MHZ antenna \$100 (Aprox 20 feet long)

Ron NKØP 593-8352 e-mail deutschra@aol.com

For Sale. by KØCI, Steve

- Kantronics KAM all-mode TNC version 5.0, Asking \$135
 - Johnson Messenger 123A, 23 Channel CB Radio (Could be converted to 10 meters) Asking \$15
- Call Steve at 598-3554

El Paso County HF Roundtable

Sunday evenings just after the El Paso County RACES 7.30 PM (local) HF net, on 28.385 mHz.

Everyone is invited to check in.

NOTICE

The following need to contact the Treasurer.

Dave	NØUVR
Dave	NØION
Chris	NØQWU
Mint	WAØYTK
Virginia	WG9H

From the Historian:

I am trying to reconstruct the Historical records of the PPRAA. If

anyone has any of these records, and would like to have them included, please bring them to the club meeting. If this is not convenient, please contact me to arrange some other means for me to obtain them.

Thank you,

Jody KAØROX
Historian

OM/YL
LUNCH BUNCH

The Lunch Bunch will NOT meet in August.
Hope to see y'all next month!

73

Rosie Calaway, WAØMNL
471-9965

Code Practice to Resume!

I was curious about the 146.4 MHz code practice station that we used to hear, but haven't heard in a while. So I called Dave Balsick, WBØDMQ, president of the Pueblo Ham Club to see what's up with that.

The station's been off the air for a while due to two things: (1) the station lost its permanent location this past spring but is now in a new location on Baculite Mesa (about 7 mi NE of Pueblo), and (2) they generally don't run it during the summer due to heat buildup and lack of air conditioning. Dave said it's ready to go back on line this fall about the time school starts and will be back with its regular format

- text during odd hours, random characters during even hours,
- 5, 9, 13, 17, and 21 wpm;
- 0700 - 2300, 7 days a week.

Dave said the station's been operating since 1984 in the same format.

Looking forward to hearing it back up.

73/Rob
wb7whf

Editor's Notes
Bill Pierce, KDØJU

Had a great vacation! Wish you all could have been there at the SeaPac Convention at Seaside Oregon. It is one of the biggest conventions and swapfests in the Pacific Northwest. A short article on the SeaPac convention and activities will be forthcoming, probably for the September or October issue space permitting.

I would like to thank Pete, WD4DHR for taking the editorship for the July issue while I was gone. He did a great job!

As always I need more articles; the more the merrier, large and small.

I still haven't had anyone test my modem's ability to receive data files direct. Please send all articles to/via:

1. email to kdØju-1@juno.com
2. Direct via modem to 550-0406, 33.6K/bits, standard settings (Please call voice first to give me time to either bring up the program and/or turn the computer on!)

3 3 5 in disk

4. paper via snailmail or hand delivery

Still haven't got the page scanner hooked up as I haven't had the need to.

So get those articles in!

73
Bill Pierce, KDØJU
Editor
P.S.
John, KO6TN

Thank you for the great article on your trip to ARRL!

*Your short
ARTICLE COULD
HAVE BEEN IN
THIS SPACE
- Editor*

My ARRL HQ Visit by John Herring, KO6TN

The visit actually started a few weeks prior by sending email to the HQ to inquire about directions and the amount of time needed to see everything including the WIAW station. Not knowing who to send email to, I send my inquiry to info@arrl.org. The next day I received email from Sharon Taratula. Her response was very complete and the directions were detailed. Equipped with a list of items to pickup, turn in, ask about, and the kindly written directions I was ready for the visit.



Figure 1: ARRL HQ sign on lawn seen from Main Street

So there I was, my HT (connected to a mag-mount on my rented Grand AM) dialed up to the WIAW repeater 145.450, directions in my hand, one eye on the road and the other scanning the sky with radar like speed looking for a massive antenna farm, all while driving up Main Street in Newington, CT. A side note for those who don't get out to the east coast, there are Tall GREEN Trees, which makes it hard for people to see your antennas. Being a desert rat, I was expecting to see the WIAW antennas from many blocks. As I approached the address of 225 Main Street, I saw two towers each with at least 8 beams stacked for what seemed to be 50 feet. As I turned into the parking lot, I saw two more towers that did not have as many beams, but did have a number of vertical antennas. All of these antenna structures surrounded a old (by antelope valley standards) house that seemed typical of the area. It was my guess that the house was the station of WIAW. Behind the house was a more modern structure that look just like what we would think a "Headquarters" would be. The parking lot was positioned between these two buildings.

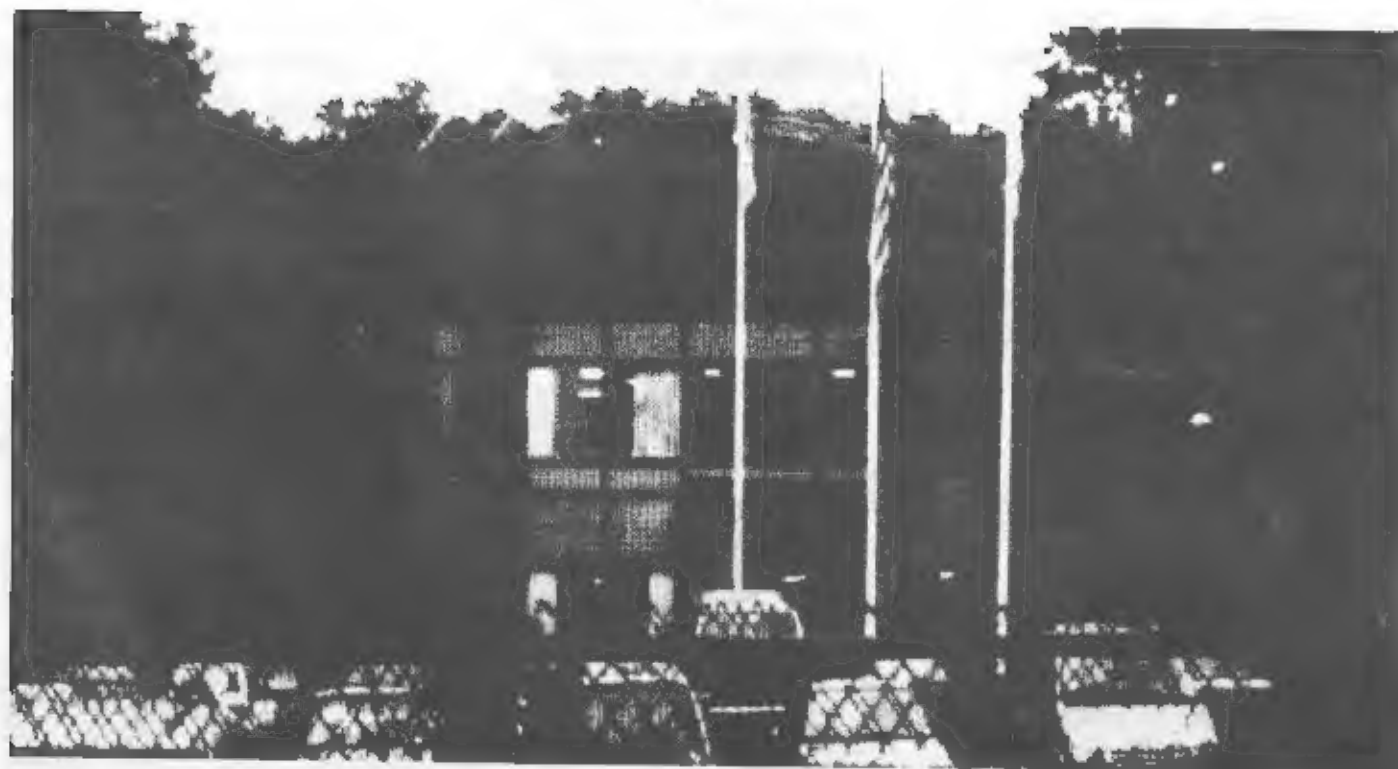


Figure 2: View of HQ building as seen from the WIAW station building

I gathered all my stuff and headed into the headquarters ready to get down to business, the business of ham radio that is. The lobby has many display cases of old receivers, transmitters, keys, tubes, other items I did not recognize. The receptionist was named Penny. Next to her counter was a book case that displayed all (not exactly all, see below), the publications that the league sells. Next to the "for sale" stuff, there is a rack of the freebies items like the OFFICIAL rules for WAS, friendship, DXCC and other awards/programs. Penny was able to get the person handling the HPM program to come to the lobby. I gave him copies of my log from the weeks worth of /127 contact (By the way, /127 means it was the 127 birthday of Hiram Percy Maxim). I also was able to pick up a copy of the hard to get "Special Events Communications Manual." This manual is a publication of the field services department and is not a normal ARRL publication. After all of the "paper work" was done, I was ready for the tour of the headquarters.

Rick Lindquist, KX4V, came to the lobby introduced himself and started the tour. This was not a typical tour where you have 5-10 people with you. It was more a personal tour. Since we were in the lobby, the tour started out with the brief walkthrough of the display cases. Rick is a collector of old gear and was a good source for information on the display cases. There were some pretty neat and simple looking rigs on display. After the display cases we went down the halls of the headquarters, stopping at offices of each department. The first office was the field service. Rick explained all the activities of the department. All the hallways were lined with small display cases and framed pictures/plaques. Among the unique displays were the items like the first ham ticket issues after WW1 (W1AA), instruments used in the Wouff-Hong (see recent QST article), gifts from foreign countries, cover of the first QST, and early cartoons. The rest of the departments that were shown included the editing/layout room, new members (makers of new ham companion), test lab (where all the product reviews are done), and the QSL Bureaus (looks like a Post Office Mailroom). The tour ended up with a visit to the WIAW station across the parking lot.

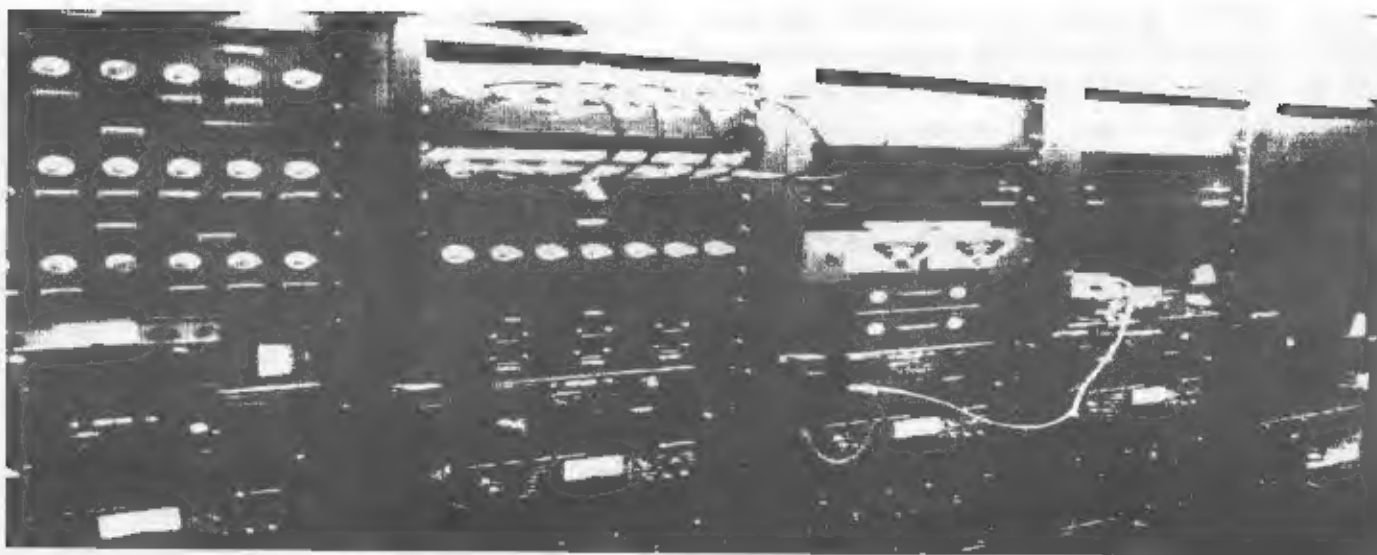


Figure 3: The W1AW Bulletin Station radios

My expectations of the W1AW station was something on the order of what you and I have as a shack, but with the top of the line equipment. Much to my surprise, it looked more like a multi-studio that you would find in most commercial broadcast stations. Keep in mind that the building looks like it was built in the late 1800s. The inside contained three individually contained studios with multiple "top of the line" rigs. Each studio was glass enclosed, with a UTC clock, computer for logging, and maps. The center of the main area was the control panels for the broadcast bulletins that we all hear on HF for code practice. Behind the control panel is a class enclosed rack of broadcast quality gear (one for each band). Some of you computer types might be interested to know that the code bulletins/practice is sent via a PC with the code text stored on a 5 1/2" floppy! The voice bulletins are either sent live (when there are multiple changes per day), or taped and replayed on the weekends. The lobby of the W1AW station shows a rotary spark gap radio. It was displayed in a open state for those inquiring minds. The tour ended with enough time to grab lunch and return to operate the W1AW station during guest op hours.

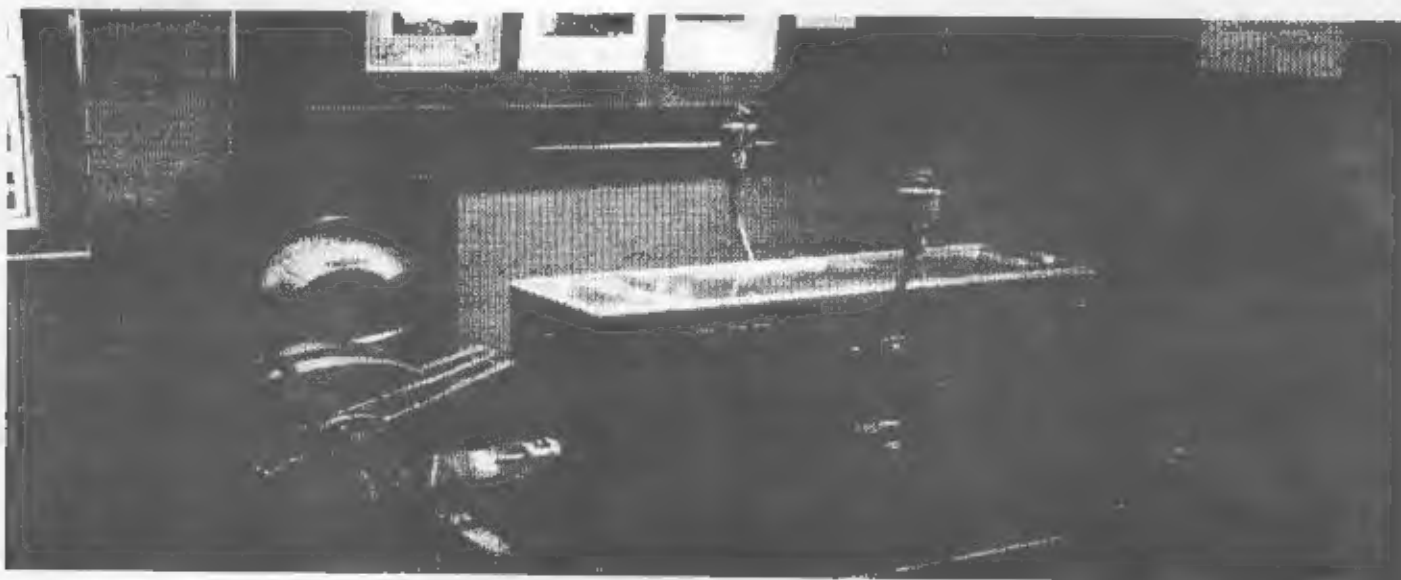


Figure 4: Original Spark Gap Transmitter in the lobby of W1AW.

The guest operator program is a wonderful opportunity for us commoners to operate the "Big" station. I returned to operate the station after a hearty chicken sandwich. I presented my ticket to the guy in charge of the station for the day. He asked me what band and antenna I wanted to use. I told him I want to operate on 20 meters SSB and use a beam. So he patched the TS-950s in studio 3 to the 3 element 20 meter beam that W1AW uses for the bulletin broadcasts. It was oriented due east. I had a misconception that I (as W1AW) would send out CQCQCQ W1AW and instantly get a pileup on me. Boy, was I wrong. It took me three tries to get a frequency that people did not come up beside me and make it hard to copy. I finally settled on 14.285 and ended up working 14 stations. I worked stations from California City, CA to Puerto Rico and from Winnipeg Canada to Florida. One of the stations is a recent upgrade to general. Both he and I were excited to have "Bagged The Big One" so soon. My total time at the switch was 1 hour 6 minutes. A very memorable time.

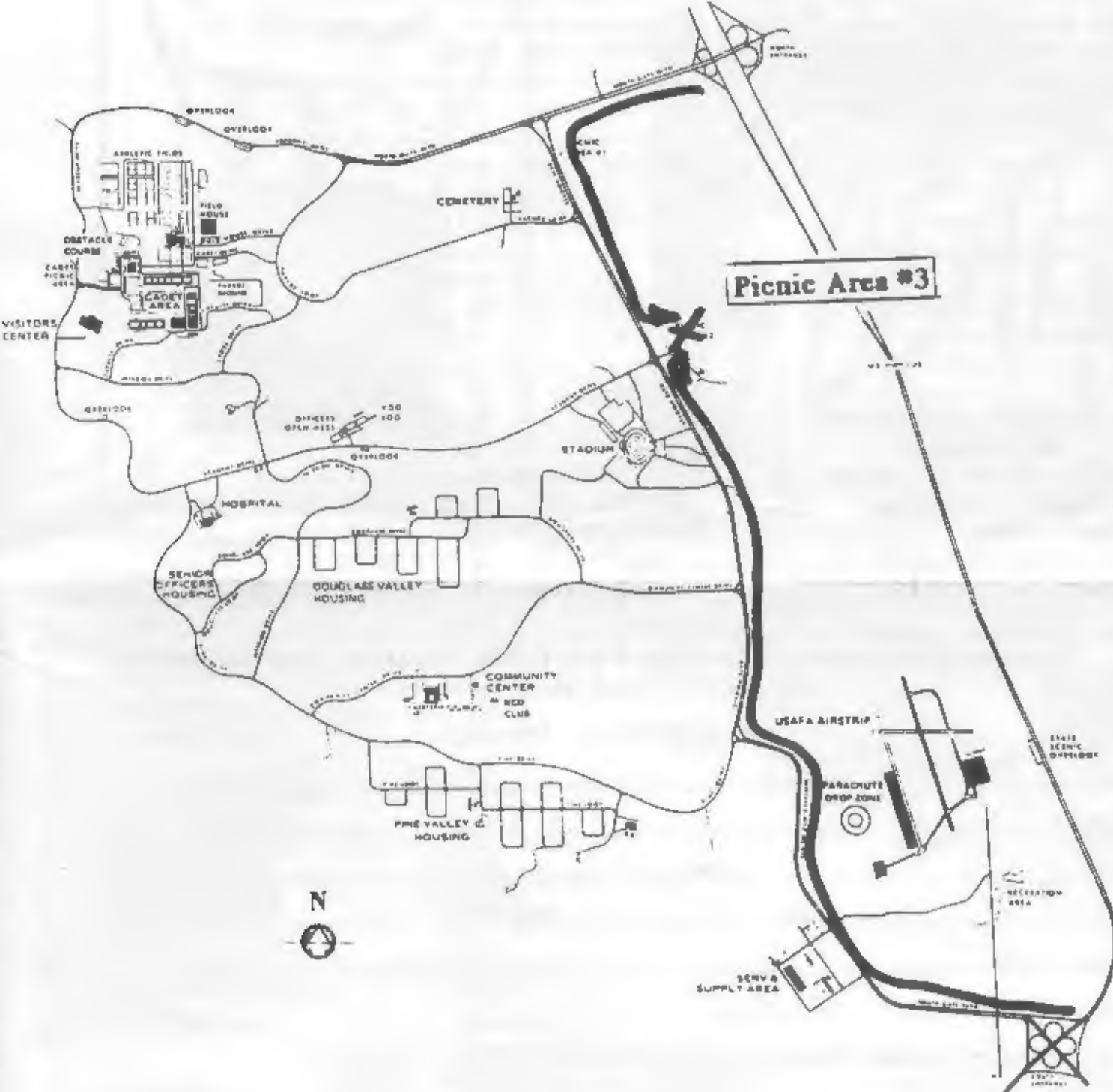


Figure 5: KO6TN as W1AW working SSB on 20 Meters using TS-950s

I highly recommend you stop by the W1AW and ARRL Headquarters if you are in that part of the country.

de KO6TN

Zero Beat



FIELD DAY RESULTS

1. Field Day Call Used
WA0VTU
2. Club or group name Pikes
Peak Radio Amateur
Association/Mountain Amateur
Radio Club (PPRAA/MARC)
3. Field Day location Woodland
Park, CO
4. Check if you began set-up
prior to 1800 UTC Saturday. X
5. Number of people
participating in this operation.
~35
6. Number of transmitters in
simultaneous operation. 2
7. ARRL/Canadian Section
CO
8. Entry Class (check one only)
X_ A. Club or non-club
9. Power Source X_ Generator
___ Battery ___ Commercial
Mains ___ Other
10. Call sign of Novice / Tech-
nician station (class 2A and

above) N0FSP

CW		#	PHONE	
QSOs	PWR OUT#	QSOs	PWR OUT	
80	74	100	# 80	
40	479	100	# 40	130
20	166	100	# 20	254
15	46		# 15	9
6			# 6	8
2	1		# 2	7
OTHERS		#	OTHERS	
[SAT] 28		#	[SAT] 1	
CW QSOs 794		#	Phone QSOs 409	
[Novice CW QSOs 123				
Total CW QSOs		#	Total Novice 123	
Total QSO Points		=	2120	

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership ☐ Renewal ☐

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Email Address _____

Are you an ARRL member? Yes ☐ No ☐

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member	\$15.00 ☐	Family Membership (same address)	\$18.00 ☐
Over 65	\$12.00 ☐	Family Membership (both over 65)	\$12.00 ☐
Associate (outside El Paso or Teller Co.)	\$12.00 ☐	Newsletter only	\$12.00 ☐

Additional Names: _____ Call _____ Class _____

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you.

PLEASE TYPE OR PRINT CLEARLY!